

RANDALL FRIZZELL & ASSOCIATES

Tree & Vegetation Consultants

**Arborist Report
601 Searls Ave
Nevada City, CA 95959**

**For
Steve Bowden
Still View Properties LLC
255 Elm Ave
Auburn, CA 95603**

And

**Jeff Gold
PO Box 1226
Nevada City, CA 95959**

June 2016

**By
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XL INC. A CALIFORNIA CORPORATION

Tree Inventory Report

Project

R-2 Multi-Family Housing Project
601 Sears Ave
Nevada City, CA

Owner

Steve Bowden
Still View Properties LLC
255 Elm Ave
Auburn, CA 95603

Architect

Jeff Gold
Jeff Gold & Associates
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Arborist

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Introduction

This report summarizes the information gathered from (1) a tree inventory conducted during May 2016 and (2) an analysis of the Preliminary Site Plan¹. The inventory was limited, for the most part, to the trees indicated on the topographic survey developed by John Spencer, PLS. The purpose of this inventory is for (a) assessing tree health, structure, and potential hazard trees, and (b) assess potential impacts of project design and construction based on an analysis of the site plans, (c) provide recommendations for tree removal or maintenance.²

Appendix A is a spreadsheet containing the Tree Inventory data.

¹ Highlighted statements will be completed during the next phase of the Arborist Report

² Recommendations are preliminary and may need to be amended at completion of the project.

Summary

- A total of 58 trees were inventoried. Several were not identified on the topographic survey and were hand drawn on the topo sheet (there locations may not be accurate).
- Species include 42 Ponderosa pine (*Pinus ponderosa*), 13 Incense cedar (*Calocedrus decurrens*), 1 Douglas fir (*Pseudotsuga menziesii*), 1 Black oak (*Quercus kelloggii*), and 1 Black walnut (*Juglans hindsii*).
- Initially, 15 trees are recommended for removal: 9 trees are in poor health and 6 have structural problems that make them hazardous to the completed project.

Methodology

The tree inventory was done to collect specific information for each of the designated trees. This information is located at the back of this report in **Appendix A**. The following information is included in the report:

Tree No.

The tree reference numbers (1-58) are located on 1-inch aluminum tags nailed to each inventoried tree. The tree reference numbers are also indicated on the topographic survey provided to me initially.

Species

All of the inventoried trees are native and endemic to Nevada City. They include Ponderosa pine, Incense cedar, Douglas fir, Black oak, and Black walnut.

DBH

The number given in this column is the diameter at standard height, which is 54" above grade.

Height

Tree height was estimated for this inventory.

Spread

The canopy drip line or spread is given in radial feet.

Health

A rating of Good, Moderate, or Poor is assigned to each tree based on the overall vigor and vitality of the tree. Factors affecting tree health include disease infection, insect infestation, crown density, leaf color and size, active callusing, shoot growth rate, extent of crown dieback, wound-wood development, and tree age.

Structure

A rating of Good, Moderate, or Poor is assigned based on an assessment of specific structural features, e.g., decay, conks, co-dominant trunks, included bark, abnormal lean, canopy architecture, and history of structural failures.

Recommendations

Recommendations include:

1. Removal of trees with poor health or structure.
2. Establishment of Root Protection Zones for trees being preserved. A tree protection plan is not in the scope of this report but can be provided as final site plans are being processed.
3. Removal of trees because of project design or anticipated construction impacts.
4. Pruning as needed.
5. Cabling of tree #39.

APPENDIX A

Tree Inventory and Assessment

Tree Inventory & Assessment Data
601 Sears Ave
June 2016

Tree No.	Species	DBH (inches)	Height	Spread (radial ft)	Health & Vigor	Structure	Comments	Recommendations
001	Ponderosa pine	36"	150'	20'	Good	Good		
002	Ponderosa pine	30"	140'	18'	Good	Good		
003	Incense cedar	10"	70'	7'	Moderate	Moderate	Topped for utilities	
004	Incense cedar	18"/20"	75'	15'	Moderate	Moderate	Co-dominant trunks, cedar rust	
005	Ponderosa pine	32"	140'	19'	Good	Good		
006	Incense cedar	13"	60'	10'	Poor	Moderate	Subordinate	Remove tree
007	Incense cedar	37"	150'	20'	Good	Good		
008	Incense cedar	9"	55'	7'	Good	Good		
009	Ponderosa pine	42"	150'	20'	Good	Good		
010	Ponderosa pine	34"	150'	20	Good	Moderate	Trunk wound on south side from 2-7 feet up trunk	Remove tree
011	Ponderosa pine	12"	65'	10'	Poor	Moderate	Subordinate	
012	Ponderosa pine	11"	60'	10'	Poor	Moderate	Subordinate	Remove tree
013	Ponderosa pine	35"	150'	20'	Good	Good		

014	Ponderosa pine	35"	150'	20'	Good	Good	
015	Ponderosa pine	43"	150'	21'	Good	Moderate	2 trunk wounds at base-south and east sides
016	Incense cedar	16"	80	14'	Good	Moderate	Topped for utilities
017	Ponderosa pine	9"	50'	7'	Poor	Moderate	Subordinate
018	Ponderosa pine	11"	60'	9'	Poor	Moderate	Remove tree
019	Ponderosa pine	15"	78'	14'	Moderate	Good	
020	Ponderosa pine	13"	75'	12'	Moderate	Good	
021	Ponderosa pine	23"	80'	16'	Good	Good	
022	Ponderosa pine	31"	130'	18'	Moderate	Poor	Hip canker at base on east side and hip canker 6' up on west side
023	Ponderosa pine	10"	30'	5'	Poor	Moderate	Subordinate
024	Ponderosa pine	12"	40'	6'	Poor	Moderate	Subordinate
025	Ponderosa pine	12"	40'	7'	Poor	Moderate	Subordinate
026	Ponderosa pine	14"	45'	7'	Moderate	Good	
027	Douglas fir	9"	35'	11'	Good	Good	
028	Ponderosa pine	20"	70'	10'	Moderate	Good	

029	Ponderosa pine	16"	60'	9'	Moderate	Good	
030	Ponderosa pine	18"	65'	10'	Moderate	Good	
031	Incense cedar	12"	40'	8'	Good	Moderate	Topped for utilities
032	Ponderosa pine	26"	80'	15'	Good	Poor	Hip canker at base on north side
033	Ponderosa pine	26"	85'	14'	Good	Poor	Hip canker at base on north side
034	Ponderosa pine	45"	140'	20'	Good	Good	
035	Ponderosa pine	32"	130'	19'	Good	Good	
036	Ponderosa pine	21"	80'	14'	Good	Good	
037	Ponderosa pine	22"	85'	14'	Moderate	mod	Topped for utilities
038	Ponderosa pine	31"	130'	18'	Good	Good	
039	Incense cedar	11/17/18/22"	85'	15'	Good	Moderate	4 trunks are in close proximity to each other
040	Incense cedar	6"	25'	5'	Moderate	Good	Cedar rust
041	Ponderosa pine	31"	125'	18'	Good	Good	
042	Incense cedar	19"	50'	13'	Poor	Moderate	Cedar rust
043	Incense cedar	27"	80'	16'	Good	Good	

044	Black oak	9"	35'	10'	Moderate	Good
045	Ponderosa pine	20"	60'	12'	Good	Good
046	Ponderosa pine	24"	70'	14'	Good	Good
047	Ponderosa pine	28"	80'	16'	Good	Co-dominant fork Remove tree
048	Ponderosa pine	43"	140'	20'	Good	Poor Severe dogleg in trunk Remove tree
049	Black walnut	29" @ 30"	40'	20'	Poor	Poor Large dead branches. Tree is in decline Remove tree
050	Incense cedar	22"	65'	14'	Good	Good
051	Ponderosa pine	24"	80'	15'	Good	Good
052	Ponderosa pine	26"	85'	15'	Good	Good
053	Ponderosa pine	13"	45'	10'	Moderate	Good
054	Ponderosa pine	15"	50'	9'	Moderate	Good
055	Incense cedar	16"	40'	10'	Good	Good
056	Ponderosa pine	16"	48'	9'	Moderate	Good
057	Ponderosa pine	11"	44'	7'	Moderate	Moderate
058	Ponderosa pine	10"	40"	6'	Good	Good